FLIGHT

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A Journal devoted to the Interests, Practical and Progress of Aerial Locomotion and Transport

OFFICIAL ORGAN OF THE ROYAL AERO CLUB OF THE UNITED KINGDOM

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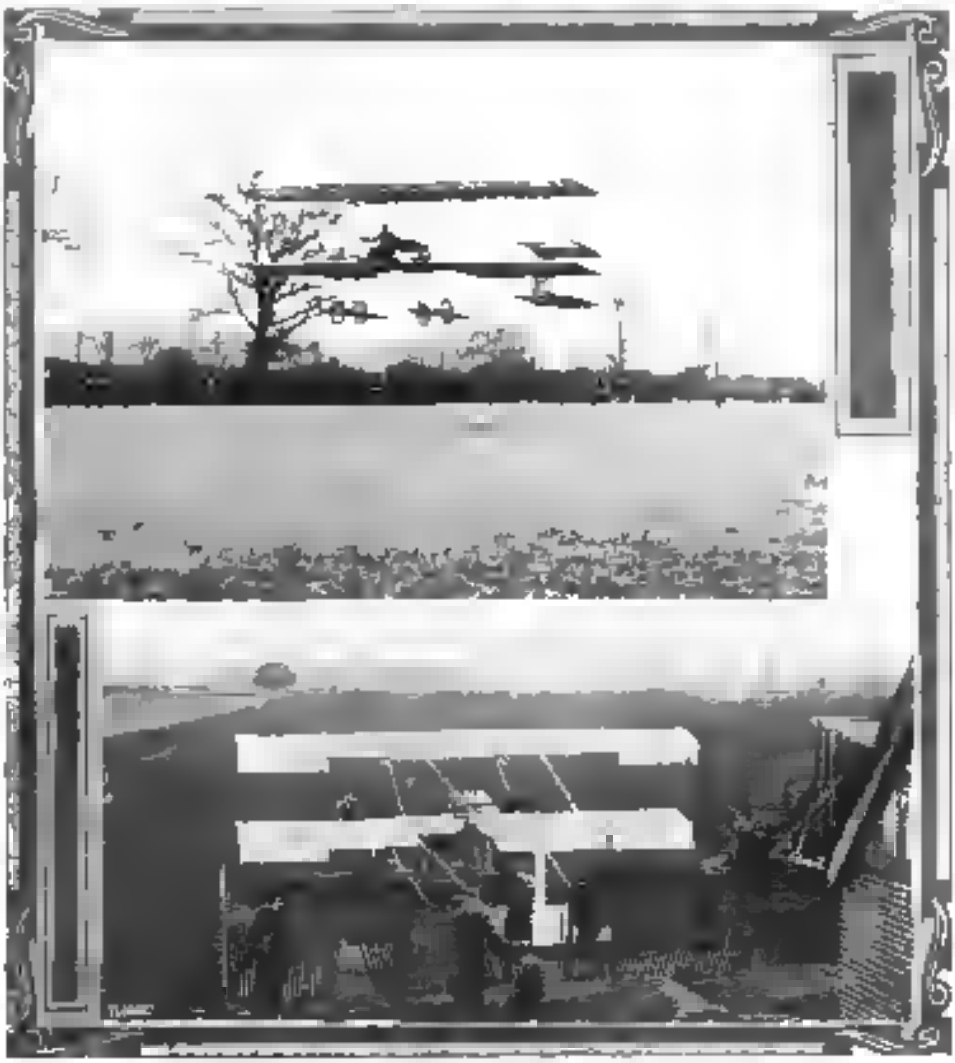


MR. CLAUDE GRAHAME WHITE'S BIG CROSS-COUNTRY FLIGHT.—Re-[illegible] in Henry Farman machine at Park Royal prior to the start on Saturday last, and above Mr. Grahame White [illegible] starts for the Rugby Air Course.

A British Triumph

[illegible]

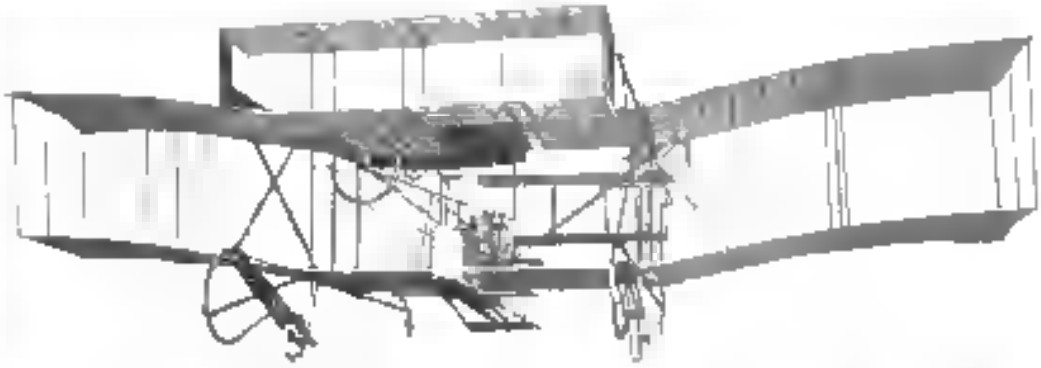
FLIGHT PIONEERS.

M. LOUIS PAULHAN.

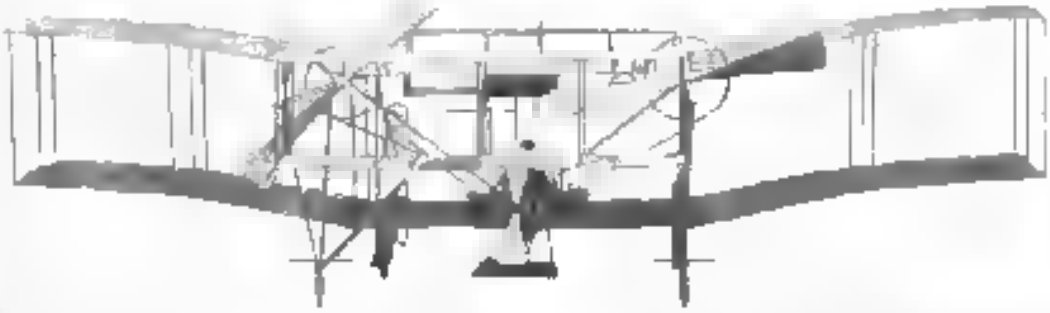
MR. CLAUDE GRAHAME-WHITE

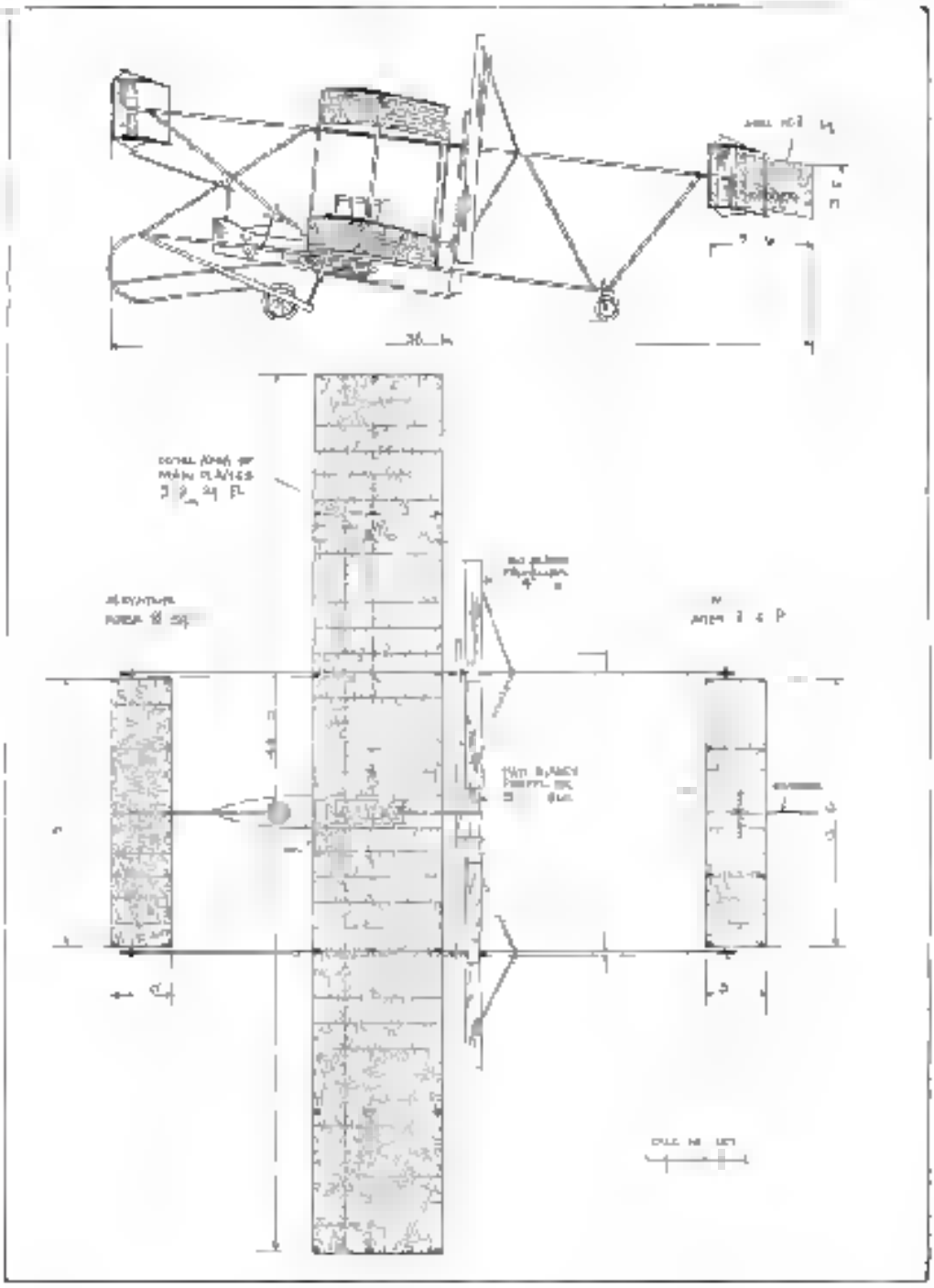
LONDON-MANCHESTER.

THE MAXIM BIPLANE.

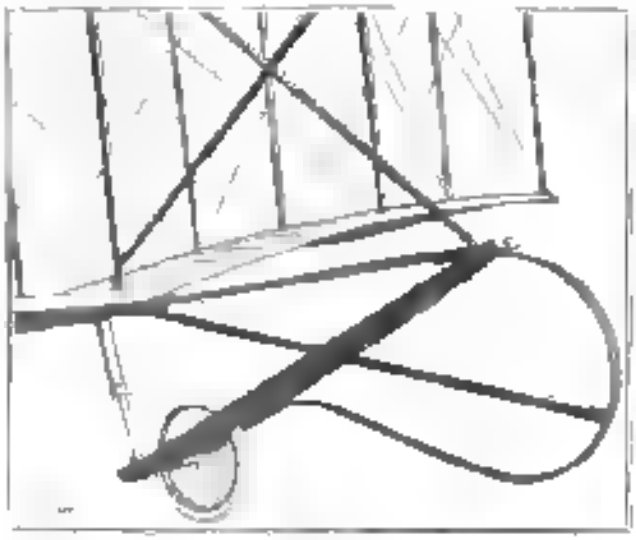


Side Elevation





THE MAXIM BIPLANE.—Plan and elevation to scale.



[illegible]

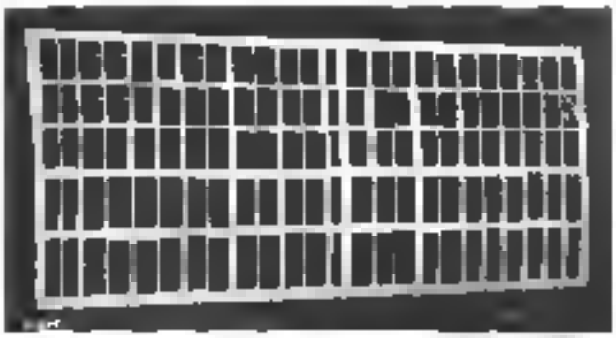
Ma[illegible] Conn[illegible]

[illegible]

[illegible] Nieuport biplane

[illegible]

[illegible] the Bi[illegible] [illegible] and [illegible] where and [illegible] [illegible] is [illegible] by pneumatic springs.



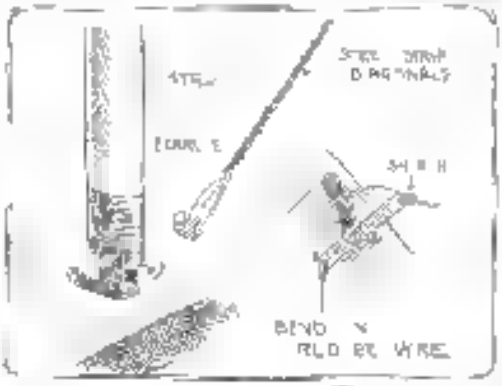
[illegible] of the Nieuport biplane.

[illegible]

Sixty Stout Ties

[illegible] the bracing of the [illegible]

steel instead of wire. These bars are not edge on to the direct pressure of flight. The main planes have been replaced with a rubber proofed fabric which Sir Hiram Maxim had specially woven for the purpose. It is a good deal lighter and very strong for its weight.



Sketches showing details of the cross-bracing, stiffeners, and wire pendulum in the Maxim biplane.

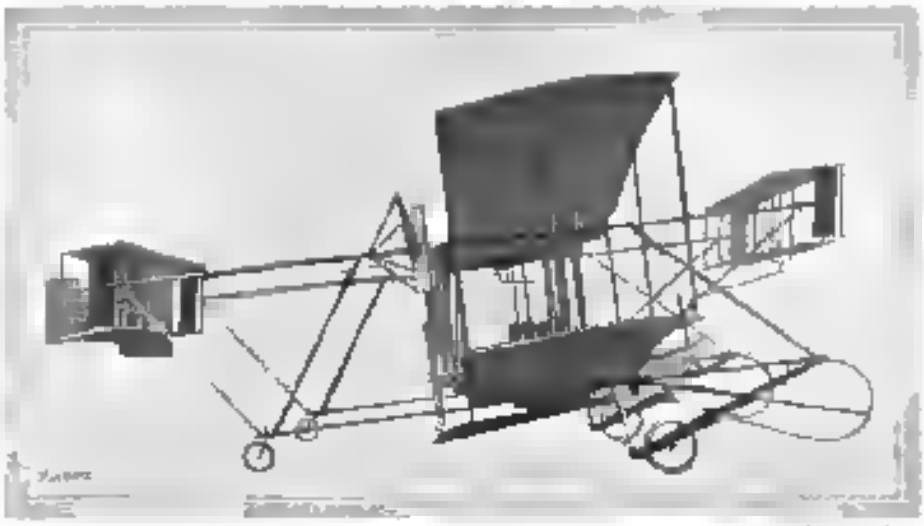
It is stretched very tightly over the framework of the main planes, and a rather novel method of preventing the formation of surface under varying conditions of pressure. The lower surface of each deck is provided with a vent hole so located as to keep an equilibrium of the static pressure inside and outside the deck. The exact position of this air vent has an important bearing on its utility for the particular purpose employed on this machine.

Photograph of Sir Hiram Maxim [illegible] his biplane, showing the use of mackintosh.

Sectional sketch of a rib in the main plane of the Maxim biplane.

vents are situated about a quarter of an inch from the trailing edge. The vent holes [illegible] and have been covered with [illegible] to prevent flying [illegible]

[To be concluded.]



Side view of the Maxim biplane, showing very clearly the arrangement of the two principal bays and air spaces that carry the elevator tail and propellers.

THE LONDON-MANCHESTER £10,000 FLIGHT PRIZE.

Mr. Claude Grahame-White in his place on the Henry Farman biplane ready for starting in a big flight on Saturday last.

The [illegible] the Henry Farman machine used by Mr Claude Grahame-White for his London to Manchester flight, which it will be seen differs from the Gnome machine which you last week saw will be dealt by us. On the very after Farman's machine type pilot has been adopted

Fred Hoyt

MR. CLAUDE GRAHAME-WHITE'S CROSS COUNTRY FLIGHT. One of the [illegible] ready to leave on Fred Hoyt to Come with spare parts. Standing on the left of Mr Grahame-White with the propeller is Mr Estover Manager for Mr Grahame-White, and by the side of the bonnet of the "Sunbeam" car is Mr Harold E. Perrin, Secretary of the Royal Aero Club.

[illegible]

[illegible]

THE LAST STAGE.

[illegible]

The Royal Aero Club of the United Kingdom

OFFICIAL NOTICES TO MEMBERS

Committee Meetings

[illegible]

Aviators' Certificates

[illegible]

Aero Club de France Aviators' Certificates

[illegible]

Entries for Paris GALOCHE Prize

[illegible]

Fixtures for Manchester Flight

[illegible]

Entries for Prizes for Aviators

[illegible]

Aviators' Association of France

[illegible]

Aviation Competition at Rheims

[illegible]

PROGRESS OF FLIGHT ABOUT THE COUNTRY.

[illegible]

Birmingham Aero Club (illegible)

The Board of Trade has registered under the Act [illegible] cross, the Salisbury plain [illegible] at the Brighton Motor and Cycle [illegible] on May 26th and [illegible] to that [illegible] will be fully protected; further, the [illegible] will [illegible] for the [illegible] the [illegible] provided a [illegible] is sent to the Competitors [illegible] by [illegible] secretary.

The [illegible] Midlands has now been [illegible] to [illegible] with the [illegible] in [illegible] exhibitions, who could not [illegible] competing [illegible] models in use.

Bristol and West of England Aero Club (illegible)

This committee of the Bristol and West of England Aero Club held their first meeting on the 19th inst. [illegible] exhibitions in [illegible] at the Clifton Down Hotel, by the kind invitation of the [illegible] Wilkes, Esq., J.P.

Amongst other [illegible] it was decided that the headquarters of the club should be at the Clifton Down Hotel.

The committee will [illegible] to make arrangements [illegible] the Club members and their friends [illegible] the flying [illegible] pleased to practise [illegible] and [illegible] be really [illegible] in [illegible]

The club [illegible] and it is expected that [illegible] shortly [illegible] other [illegible] made.

[illegible]

A. G. [illegible]

Hampshire Aero Club (illegible, Portsmouth and District)

On Saturday [illegible] the Hampshire Aero Club held their [illegible] at the Hotel Metropole, Southsea, the president, Capt. [illegible], in the chair. The members [illegible] the club. [illegible]

In [illegible] the gliders were [illegible] manipulated. [illegible] improvement [illegible] machines, but a few point were [illegible] in helping [illegible] have been [illegible] under [illegible] conditions.

Mr. [illegible] and the [illegible] and [illegible] from those [illegible] of [illegible] the Bournemouth Company [illegible] [illegible]

Kingsland Model Aeroplane Association (Victoria, N. Melbourne)

[illegible] on Wednesday [illegible] Wimbledon Common [illegible] and Saturday afternoon [illegible] to [illegible]. The [illegible] competition open to all [illegible] in the British Empire and the first prize will be a challenge trophy and [illegible] with silver and bronze medals for second and third. A maximum of 100 marks [illegible] will be given [illegible] and [illegible] power. The rules are:

1. Competitors may submit a [illegible]
2. [illegible] to be the Judge [illegible] the [illegible] will be disqualified.
3. Stability, [illegible] will be noted by the judges and taken into consideration in their award.
4. Models may be started by hand or in any other manner [illegible] may not be started at a greater [illegible] than [illegible]
5. Each competitor is entitled to three trials.
6. The Judge is [illegible]

[illegible]

Liverpool and District Aeroplane Exhibition (illegible)

[illegible] Wednesday [illegible] Liverpool and District [illegible] Liverpool has been [illegible] the [illegible]

Institute Aeronautical Society (illegible, Hotel Cecil, Strand)

[illegible] Wednesday, [illegible] Institute [illegible] A very interesting [illegible] has been [illegible] up with the necessary [illegible] building of aeroplanes with the [illegible] a glider is being [illegible] Society. Arrangements have been made for [illegible] of the members [illegible] and this will be filled with [illegible] [illegible]

THE WRIGHTS AND THE GORDON-BENNETT CUP

[illegible] week [illegible] and Mr. [illegible] Bolton, [illegible] of the [illegible] [illegible] [illegible]

BRITISH FLYERS AT SHEPPEY AND ELSEWHERE.

BRITI[illegible] Wright

BRITISH FLYERS AT SHEPPEY Mr Dunn [illegible]

BRITISH FLYERS AT SHEPPEY A [illegible] of Mr D[illegible]

BRITISH FLYERS AT SHEPPEY. Photo by A. K. Huntington [illegible]

[illegible]

BRITISH FLYERS AT SHEPPEY. Professor A. K. Huntington [illegible] flight.

[illegible] Mr. Gray's Eaglehawk

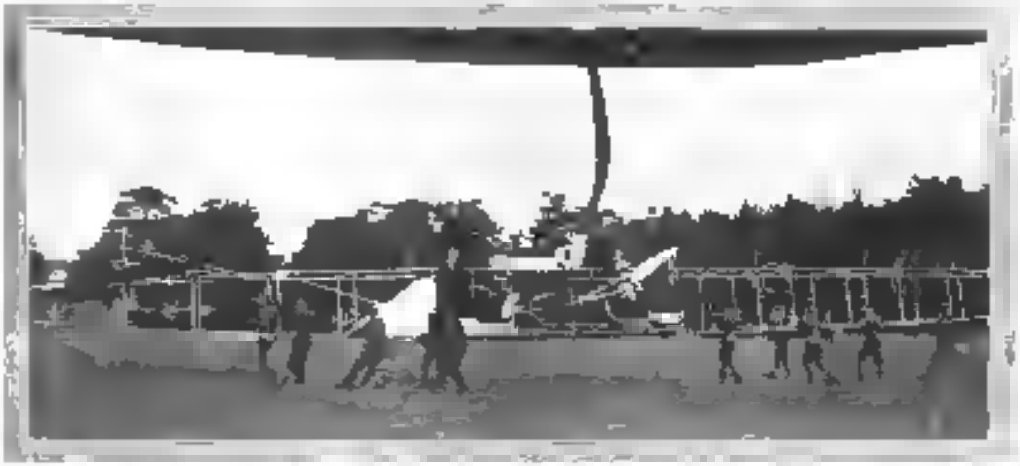
[illegible]

BRITISH FLYERS AT SHEPPEY.—A side view of Professor A. K. Huntington's machine.

BRITISH ARMY AIRSHIP.

[illegible]

[illegible]



[illegible]

[illegible]

Heaviest Flying in America.

[illegible]

[illegible]

THE "ALVASTON" FLIGHT MOTORS.

[illegible]

Fig. [illegible] The [illegible] of 22 [illegible] by 27 [illegible] strokes, and weighs, [illegible] about [illegible] lbs.

[illegible]

[illegible]

Fig. 2. [illegible] 1,500 [illegible] Restricted exposure was given [illegible] photographs.

Fig. [illegible] A 20 [illegible] Company's [illegible]

[illegible]

[illegible]

[illegible]

THE NICE MEETING.

[illegible]

Latham in his Antoinette monoplane, one of the main posts during horizontal flight. [illegible] G. and Prize for the best [illegible] at the Nice Aviation Meeting.

AVIATION NEWS OF THE WEEK

The I[illegible] Bus of Aeroplan

An ASI Berlin Monoplane at Doubtful Sound

Speed F[illegible]

Passenger F[illegible]

T[illegible] Tyd[illegible] Fr

[illegible] Flying Prize for Dual Passenger

[illegible]

Height F[illegible]

The Automatic for the Aeroplane

[illegible] at Aeroplane.

[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Lagrange at Bournemouth.

[illegible]

Mlle. Dorothée Carreau's Flying.

[illegible]

Gliding for [illegible] Miles.

[illegible]

The new Dr. [illegible] Prize.

[illegible]

Diving at Marseilles.

[illegible]

[illegible]

[illegible] Outdoor Aviation Prize.

[illegible]

A New Monoplane.

[illegible]

More Petrolessness.

[illegible]

The [illegible] "Stack."

[illegible]

Search Crowds at [illegible]

[illegible]

The [illegible] 8h8 [illegible] A [illegible] time-[illegible] [illegible] success [illegible] Abu [illegible] much [illegible] success of [illegible] Mr. Moyle. The [illegible] Aircraft and Sportsman, of [illegible] P[illegible]

[illegible]

Flying in the Tropicals.

[illegible]

Cartes de Tours.

[illegible]

The Journey of Bachmann.

[illegible]

[illegible]

A Sign of the Times.

[illegible]

Wheels and Angles by Chance.

[illegible]

AIRSHIP NEWS.

[illegible] Airship.

[illegible]

Gossau Airship [illegible]

[illegible]

[illegible] Journey.

[illegible]

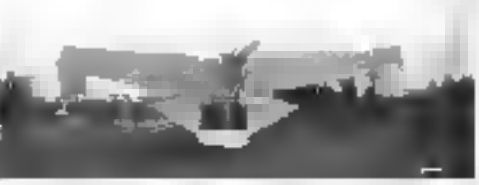
[illegible]

Cousin [illegible] Memorial [illegible] Flight.

[illegible]

A New Germ[illegible] Airship Hangar.

[illegible]



THE [illegible] MONOPLANE [illegible] Span, 28 ft. [illegible] 25 [illegible] D 28 [illegible] In the photograph [illegible] Mr. A. M. Grace of Oakington, Cambs., the wings are so temporarily [illegible] the time of photographing the engine and propeller were being tested by [illegible] freely over the ground. Mr. G. [illegible] the difficulties of arranging for a suitable engine to complete his equipment.

CORRESPONDENCE.

[illegible]

Correspondents asking questions relating to articles which they have read in FLIGHT should quote the number and page of reference by giving the name of the letter.

[illegible]

CAMBERED PLANES

[illegible]

5-40 H.P. ENGINE WANTED

[illegible]

AERONAUTICS AND THE NAVY

[illegible]

THE RIGHT SORT OF WORKMAN

[illegible]

BAMBOO, HIL AND PROPEL ERS

GLIDERS

ANOTHER BRITISH MACHINE

IMPLANE CONSTRUCTION

SINGLE-SURFACED PLANES

WING PROPULSION

Mr Charles H. Parker's monoplane.

[illegible]

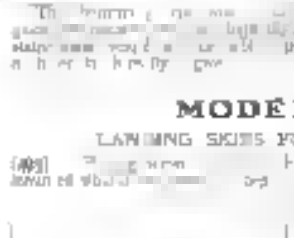
POWER REQUIRED

[illegible]

MODELS

LANDING SKIDS FOR MODELS

[illegible]



[illegible]

CLOCKWORK MOTOR

[illegible]

PUBLICATIONS RECEIVED

[illegible]

Catalogues

[illegible]

NEW COMPANY REGISTERED

Aerial Engineering Co., Ltd. [illegible] Brighton Road, South Croydon.—Capital £ [illegible]

DIARY OF FORTHCOMING EVENTS.

British Events

[illegible]

Foreign Events

[illegible]

BACK NUMBERS OF "FLIGHT."

SEVERAL back numbers are now very scarce, and have [illegible]

[illegible]	Tale of Icarus	[illegible]
[illegible]	"Blue Mist" [illegible]	[illegible]
	Aeronautical Bibliography	
	Weight Von. Growth [illegible]	
[illegible]	Flying Centaur of "[illegible]"	[illegible]
	Chanute and Gliders	
17, Mar. [illegible]	Human Flight of Flying	[illegible]
	Aero Club [illegible] Shelbach	
	Military Aeronautics	
[illegible]	Control Equipment	[illegible]
[illegible]	Engines at Olympia	[illegible]
[illegible]	Pilot List	[illegible]
	Aeroplane at Olympia	
31, July 1	Model Flyers	[illegible]
	[illegible]	[illegible]

Other back numbers [illegible] 19, Nov. 3 and [illegible] are [illegible] free, and each including descriptions and scale drawings of the Voisin (Nos. 3 [illegible] Nos. 42a and Wright (Nos. 63) biplanes, the Santos Dumont (Nos. 40 and 4) Antoinette (Nos. 43 and [illegible] Nos. [illegible] complete, and [illegible] the Wright glider (Nos. 35 and 19).

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